

Dynatex White Lithium Grease

Safety Data Sheet



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Dynatex White Lithium Grease
Reference number : 143499, 159375

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use
Use of the substance/mixture : Industrial lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701
(270) 769-3385
technical@soudalaccumetric.com -
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification

SERIOUS EYE DAMAGE/IRRITATION	Category 2A
SENSITIZATION – SKIN	Category 1
CARCINOGENICITY	Category 2

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Hazard pictograms (CLP) :



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Signal word (CLP)	: WARNING
Hazard statements (CLP)	: May cause allergic skin reaction. Causes serious eye irritation Suspected of causing cancer.
Precautionary statements (CLP)	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing dust. Wash thoroughly after handling. Contaminated clothing must not be allowed out of the workplace. If exposed or concerned: get medical advice or attention. Wash contaminated clothing before re-use. IF ON SKIN: wash with plenty of water. If skin irritation occurs: get medical advice or attention. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice or attention.
Storage	Store locked up.
Disposal	Dispose of contents and container in a accordance with all local, regional, national, and international regulations.
Extra phrases	:

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Antimony tris dialkydithiocarbamate	CAS-No: Proprietary	1 - 2.5
Titanium Dioxide	CAS-No.: 13463-67-7	1 – 3
Distillates (petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	25 – 50
Distillates (petroleum), hydrotreated heavy naphthenic	CAS-No.: 64742-52-5	25 – 50
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl)esters, zinc salts	CAS-No.: 68457-79-4	1 – 3
2,5-bis(Octyldithio)-1,3,4-thiadiazole	CAS-No.: 15539-13-4	< 0.3

Any concentration shown in a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Treat according to person's condition and specifics of exposure.

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First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt of waistband.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
First-aid measures after eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
First-aid measures after ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation and redness.
Symptoms/effects after eye contact	: Causes serious eye irritation. Pain, irritation, watering, or redness.
Symptoms/effects after inhalation	: No known significant effects or critical hazards.
Symptoms/effects after ingestion:	: No known significant effect or critical hazards.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physicians:	Treat symptomatically. Contact poison control treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatments.
Protection of first aiders:	No actions shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None known

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire oxides/oxides	: carbon monoxide, carbon dioxide, sulfur oxides, phosphorus oxides, metal
Unusual Fire and Explosion Hazards	: No specific fire or explosion hazard.

5.3. Advice for firefighters

Fire Fighting Procedures: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. For emergency responders

Protective equipment

If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in 6.1.1.

6.2. Environmental precautions

Avoid dispersal of spilled materials and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, oil, or air).

6.3. Methods and material for containment and cleaning up

- For containment : Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water.
- Methods for cleaning up : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container.
- Other information : Dispose of materials or solid residues via an authorized disposal contractor.

6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Put on appropriate personal protective equipment (see Section *). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Hygiene measures

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. See also section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
ACGIH (TLV)	TWA 5 mg/m ³ 8 hours Inhalable fraction
NIOSH (REL)	TWA 5 mg/m ³ 10 hours mist
NIOSH (REL)	STEL 10 mg/m ³ 15 minutes mist
OSHA (PEL)	TWA 5 mg/m ³ 8 hours
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
OSHA (PEL)	TWA 5 mg/m ³ 8 hours
ACGIH (TLV)	TWA 5 mg/m ³ 8 hours Inhalable fraction
NIOSH (REL)	TWA 5 mg/m ³ 10 hours mist
NIOSH (REL)	STEL 10 mg/m ³ 15 minutes Mist
Titanium Dioxide (13463-67-7)	
ACGIH (TWA)	TWA 10 mg/m ³ 8 hours
OSHA (PEL)	TWA 15 mg/m ³ 8 hours total dust
Antimony tris dialkydithiocarbamate (Proprietary)	
None	None
Phosphorodithioic acid, mixed O, O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
None	None
2,5-bis(Octyldithio)-1,3,4-thiadiazole (13539-13-4)	
None	None

8.1.2. Recommended monitoring procedures

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.1.3. Air contaminants formed

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure .

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

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Eye protection:

Protective goggles

8.2.2.2. Skin protection

Skin and body protection:

Protective clothing

Hand protection:

Protective gloves against chemicals

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Paste. Solid (Semi-solid gel)
Color	: White
Appearance	: Smooth paste
Odor	Mild. Petroleum.
Odor threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: 1,500,000 cPs
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: < 0.13 kPa (< 1 mm Hg) [@20C (68F)]
Vapor pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapor density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

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9.2.2. Other safety characteristics

VOC content :

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Contact with incompatible materials and exposure to extreme temperatures.

10.5. Incompatible materials

Oxidizing materials

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

LD50 Oral – Rat	>5,000 mg/kg
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Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

LD50 oral – rat	3.6 g/kg
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Carcinogenicity : Not available

Teratogenicity : Not available

Mutagenicity : Not available

Reproductive Toxicity : Not available

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Titanium Dioxide (13463-67-7)

LC50	>1,000,000 µg/L Marine Water (Fish – Fundulus heteroclitus, 96 hours)
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12.2. Persistence and Degradability

There is no data available.

12.3. Bioaccumulative Potential

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

Log P _{ow}	0.69 Low potential
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12.4. Mobility in Soil

Soil/Water Partition Coefficient K _{oc})	Not available
Other adverse effects:	No known significant effects or critical hazards

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

UN Number	Not regulated
UN Proper Shipping Name	Not applicable
DOT Classification	None
Packing Group	None
Environmental Hazards	None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. US Federal Regulations

TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

Clean Water Act (CWA) 307:

Phosphorodithioic acid, mixed O, O-bis(iso-Bu and pentyl) esters, zinc salts

Clean Water Act (CWA) 311:

Maleic Anhydride

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPS)

Clean Air Act Section 602 Class I substances:

Clean Air Act Section 602 Class II substances:

DEA List I chemicals (precursor chemicals):

DEA List II Chemicals (essential chemicals):

SARA 302/304:

SARA 304 RQ:

SARA 311/312:

Classification

listed
not listed
not listed
not listed
not listed
no products were found
not applicable

SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2A
SKIN SENSITIZATION – Category 1
CARCINOGENICITY – Category 2

Composition/Information on Ingredients

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Name	%	Classification
Titanium Dioxide (13463-67-7)	1 – 3	CARCINOGENICITY – Category 2
Antimony tris dialkylthiocarbamate	1 – 2.5	SKIN CORROSION/IRRITATION – Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2A
Phosphorodithioic acid, mixed O, O- bis(iso-Bu and pentyl) esters, zinc salts	1 – 3	SKIN CORROSION/IRRITATION – Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1
2,5-bis(octylidithio) – 1,3,4-thiadiazole	≤ 0.3	ACUTE TOXICITY (inhalation) – Category 4 SKIN CORROSION/IRRITATION – Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2A SKIN SENSITIZATION – Category 1

SARA 313

Form R – Reporting requirements

Supplier notification

Phosphorodithioic acid, mixed O,O-bis(iso Bu and pentyl esters) zinc salts (68457-79-4) 1 – 3 %

Phosphorodithioic acid, mixed O,O-bis(iso Bu and pentyl esters) zinc salts (68457-79-4) 1 – 3 %

15.1.1. US State Regulations

California Prop 65

WARNING: This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

Massachusetts

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Titanium Dioxide (13463-67-7)

New Jersey

Titanium Dioxide (13463-67-7)

Phosphorodithioic acid, mixed O, O-bis (iso-Bu and pentyl) esters, zinc salts (68457-79-4)

Pennsylvania

Titanium Dioxide (13463-67-7)

Phosphorodithioic acid, mixed O, O-bis (iso-Bu and pentyl) esters, zinc salts (68457-79-4)

SECTION 16: Other information

Indication of changes

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.